

Art Unit: 1754

products of the chemical reaction and".

Page 8, insert the following between the second to the last line and the last line:

"This invention is not limited to flue gas application. Other applications of this invention are briefly described below."

Applicant submits with this amendment a copy of the Specification with the requested changes marked in red ink.

ABSTRACT:

Replace the Abstract of record with the following:

A process of concurrently removing sulfur compounds and particulates from a gas such that the gas is relatively dry after undergoing said process comprising the steps of (a) spraying a mixture of chemical reagent and water into the gas inside an enclosure while separately controlling the components of said mixture; and (b) collecting the products of the chemical reaction and particulates inside said enclosure with the condensate on a solid surface, also inside said enclosure, whose temperature does not exceed the dew point temperature of the gas.

A process which does not use a separate particulate collector and which utilizes the fly-trap effect: the trapping of suspended particles on a wet surface enhanced by the partial vacuum caused by condensation.

CLAIMS:

Cancel the claims of record (1 to 9) and substitute new claims 10 to 17 as follows:

10. A process of concurrently removing sulfur compounds and particulates from a